

AIIMS PG 2000: SUBJECT: ANATOMY

1. While doing surgery for meningioma on cerebral hemisphere, there occurred injury to left paracentral lobule. It will lead to paresis of:
 - a. Left face
 - b. Right neck and scapular region
 - c. Right shoulder and trunk
 - d. Right leg and perineum
2. A patient has aspiration pneumonitis develops chest pain with dullness on percussion in area medial to the medial border of scapula on the elevation of arm. Which part of lung is most likely to be affected?
 - a. Right medial basal lobe
 - b. Right posterior basal lobe
 - c. Right apical lobe
 - d. Right superior lobe
3. Which of the following structure passes through the aortic hiatus?
 - a. Thoracic duct and Azygous vein
 - b. Thoracic duct and Hemiazygous vein
 - c. Thoracic duct and Left gastric artery
 - d. Vagus nerve and Azygous vein
4. Obturator nerve supplies:
 - a. Adductor compartment
 - b. Abductor compartment
 - c. Flexor compartment
 - d. Extensor compartment

ANSWERS AND EXPLANATIONS

1. D, Explanation: The topographical representation of the motor cortex is upside down, that is:
 - face and mouth region near sylvian fissure;
 - hand area in mid portion;
 - trunk area near apex of brain;
 - leg and perineum in the paracentral lobule.

2. C, Explanation:

- Right principal bronchus is more in alignment with trachea, so the chances of aspirate, accumulating in right lung is more.
- The apical segment of right lower lobe is the commonest site which is most commonly affected.

3. A, Explanation: Aortic opening of diaphragm lodges mainly three structures:

- Aorta
- Thoracic duct
- Azygous vein.

4. A, Explanation:

- Obturator nerve mainly supplies the adductor compartment of the thigh.
- Anterior division supplies: Adductor longus, Gracilis. (sometimes brevis and pectineus)
- Posterior division supplies: Adductor part of adductor magnus.

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